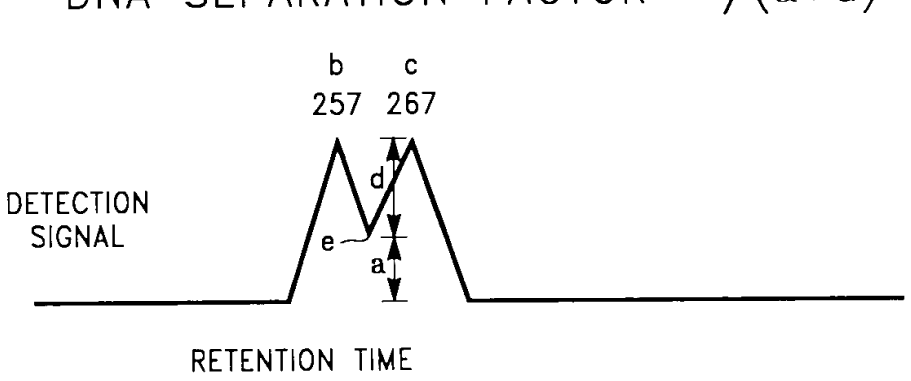
DNA SEPARATION FACTOR= d/(a+d)
b
c
257
267
DETECTION SIGNAL
d
e
a
RETENTION TIME

FIG.—1

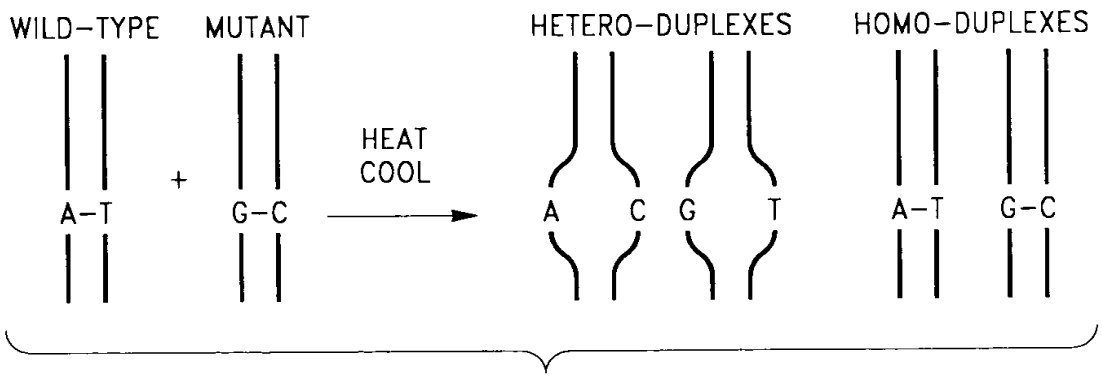
WILD-TYPE
MUTANT
HETERO-DUPLEXES
HOMO-DUPLEXES
A-T
+
G-C
HEAT
COOL
A
C
G
T
A-T
G-C

FIG.—4

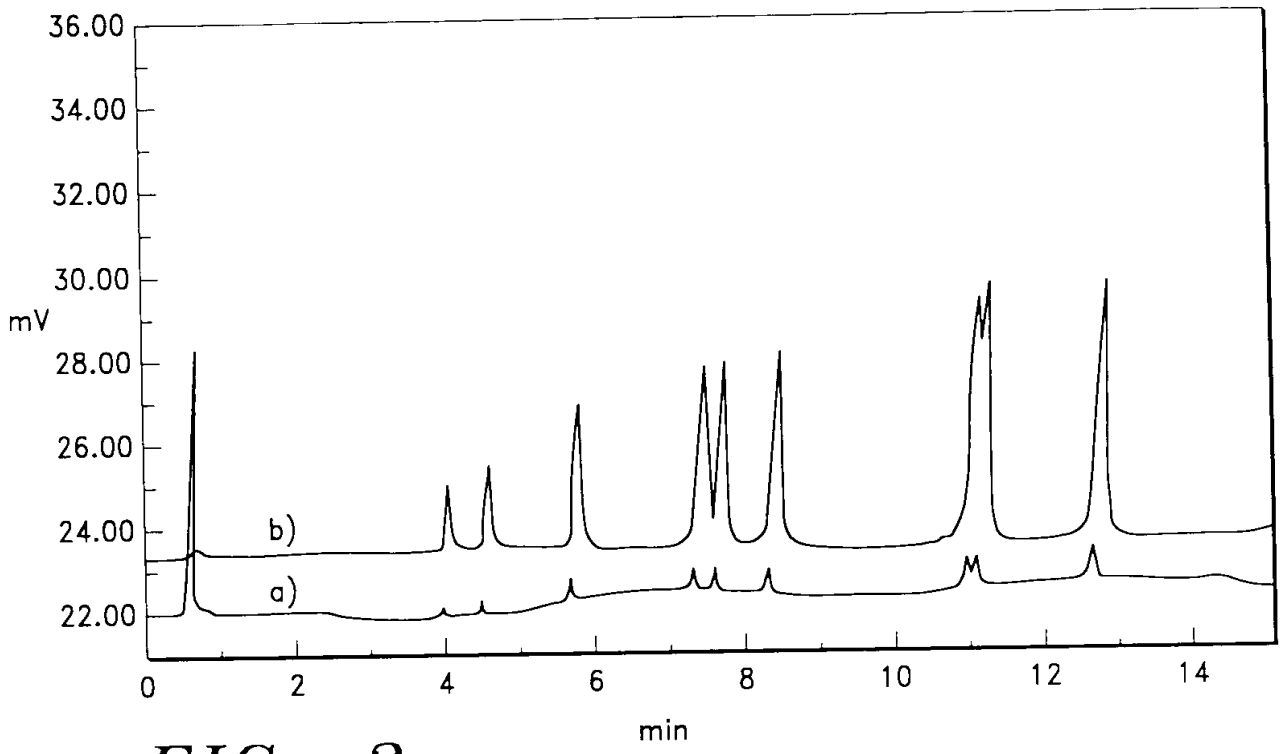
36.00
34.00
32.00
30.00
mV
28.00
26.00
24.00
22.00
b)
a)
0
2
4
6
8
10
12
14
min

FIG.–2

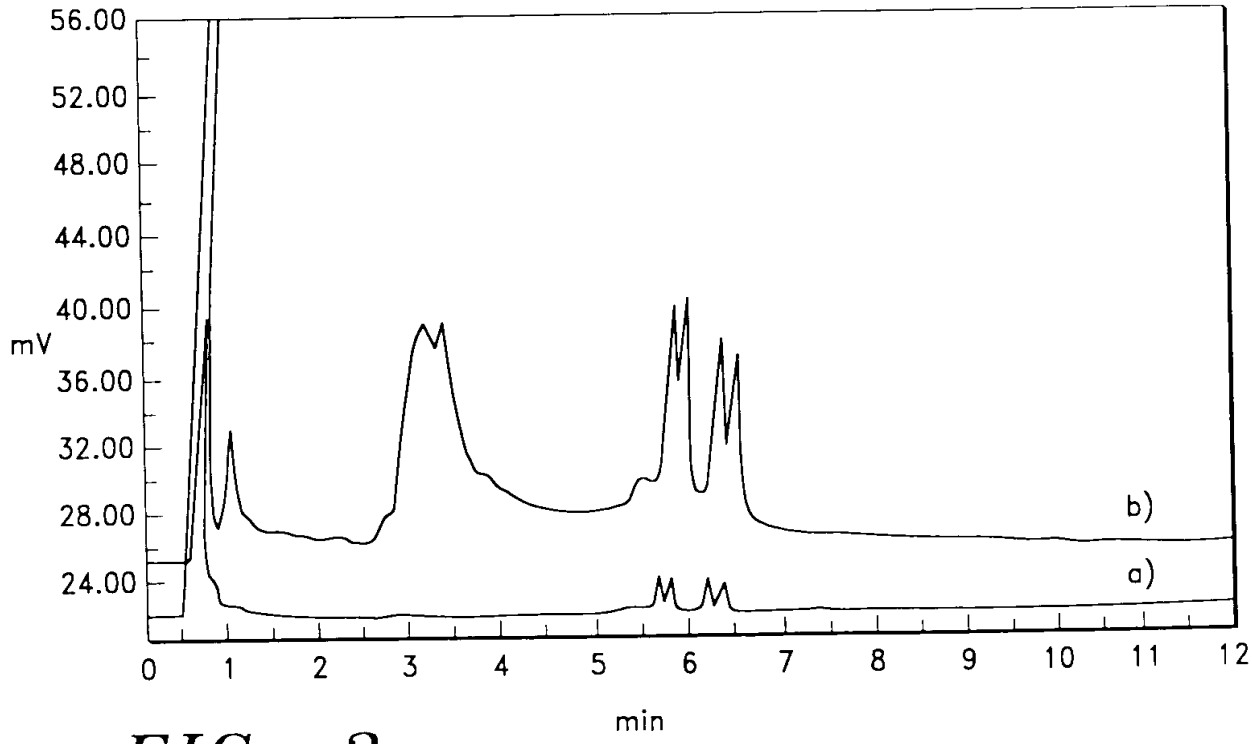
56.00
52.00
48.00
44.00
40.00
mV
36.00
32.00
28.00
24.00
b)
a)
0
1
2
3
4
5
6
7
8
9
10
11
12
min

FIG.–3

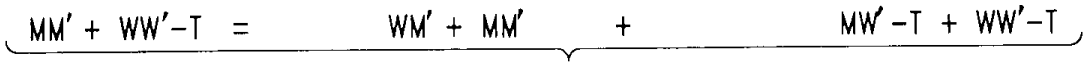

FIG.-5

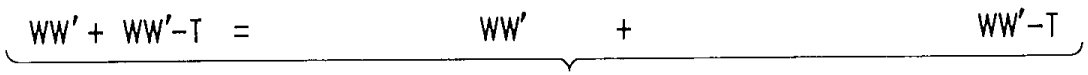

FIG.-6

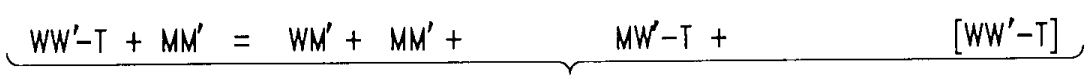

FIG.-7

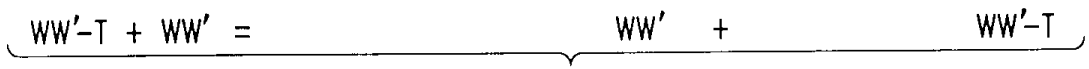

FIG.-8

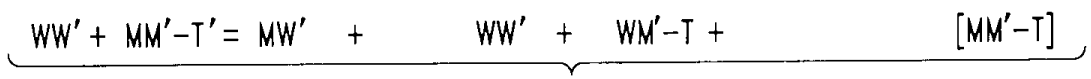

FIG.-9

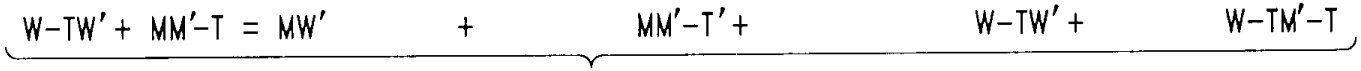

FIG.-10

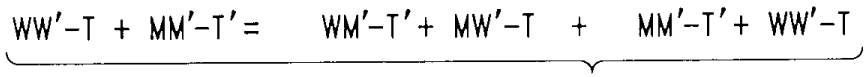

FIG.-11

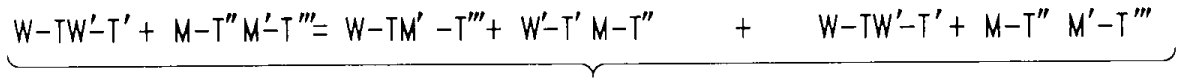

FIG.-12

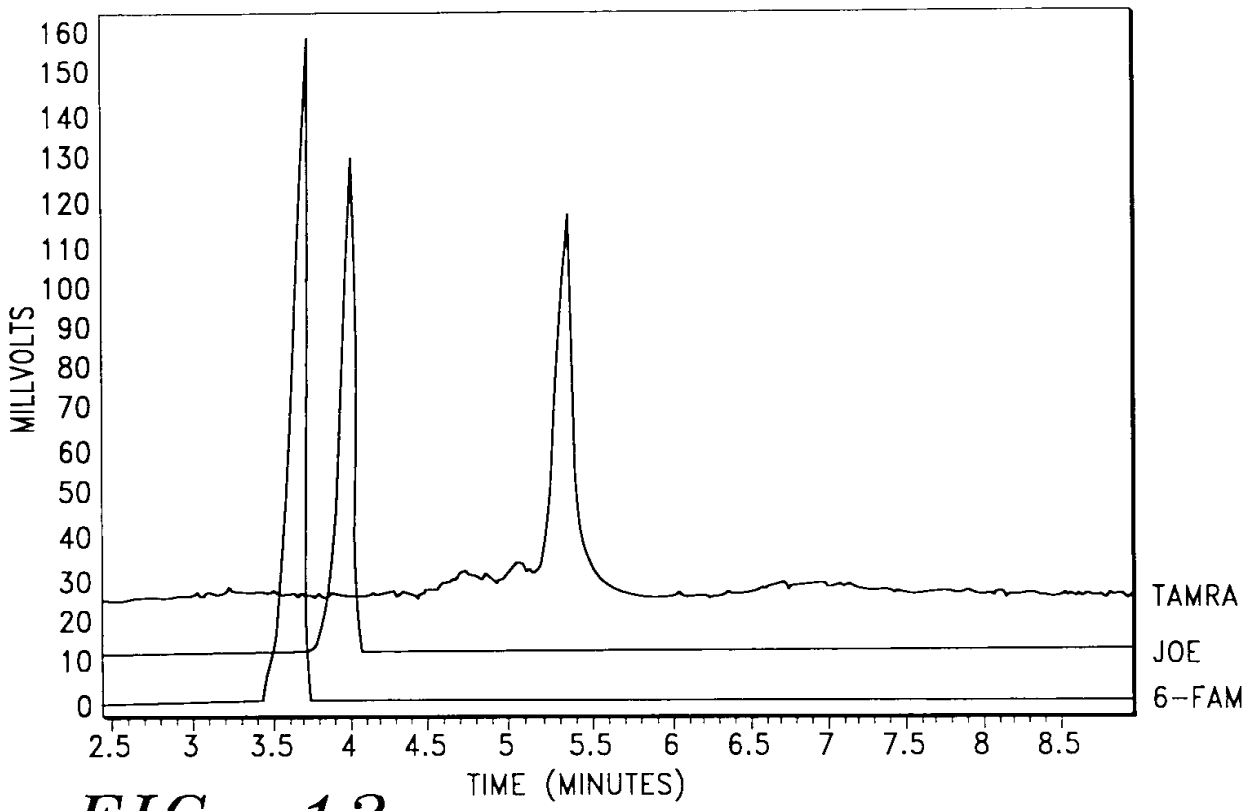
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
MILLVOLTS
2.5
3
3.5
4
4.5
5
5.5
6
6.5
7
7.5
8
8.5
TIME (MINUTES)
TAMRA
JOE
6-FAM

FIG.–13

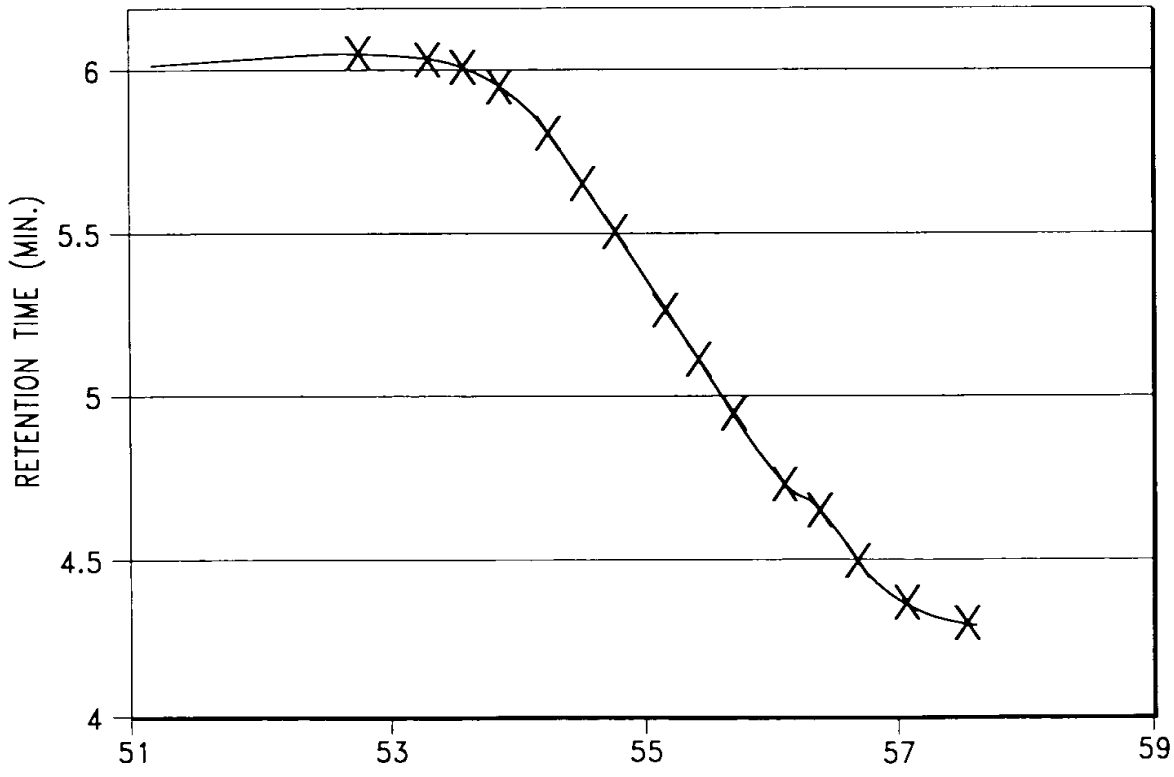
6
5.5
5
4.5
4
RETENTION TIME (MIN.)
51
53
55
57
59
TEMP (°C)

FIG.–18

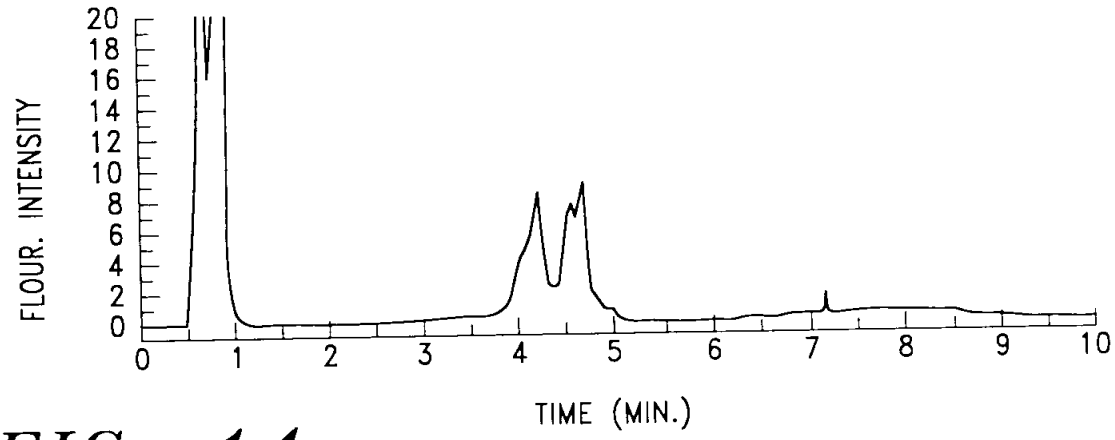

FIG.—14

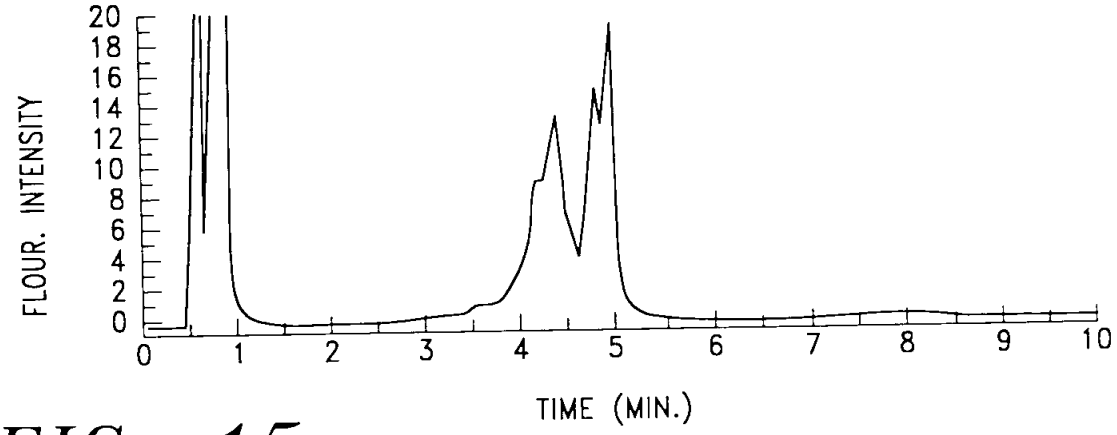

FIG.—15

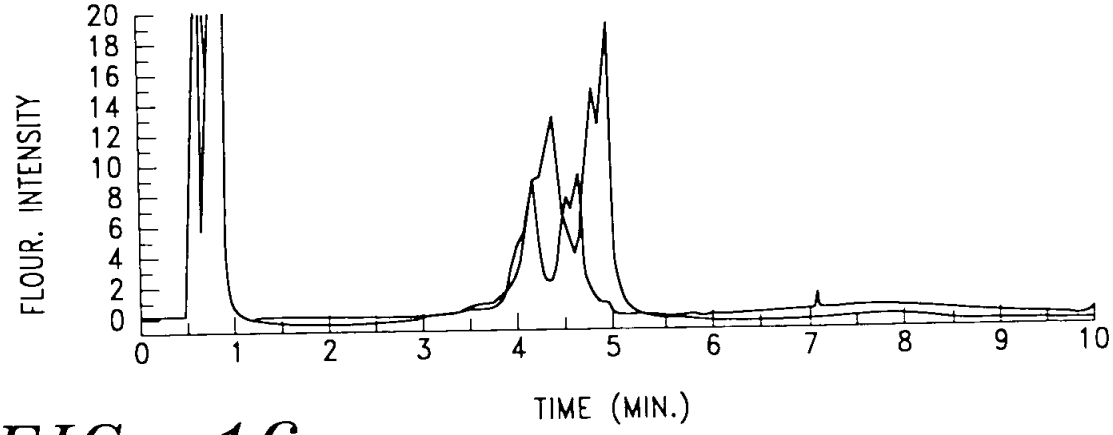

FIG.—16

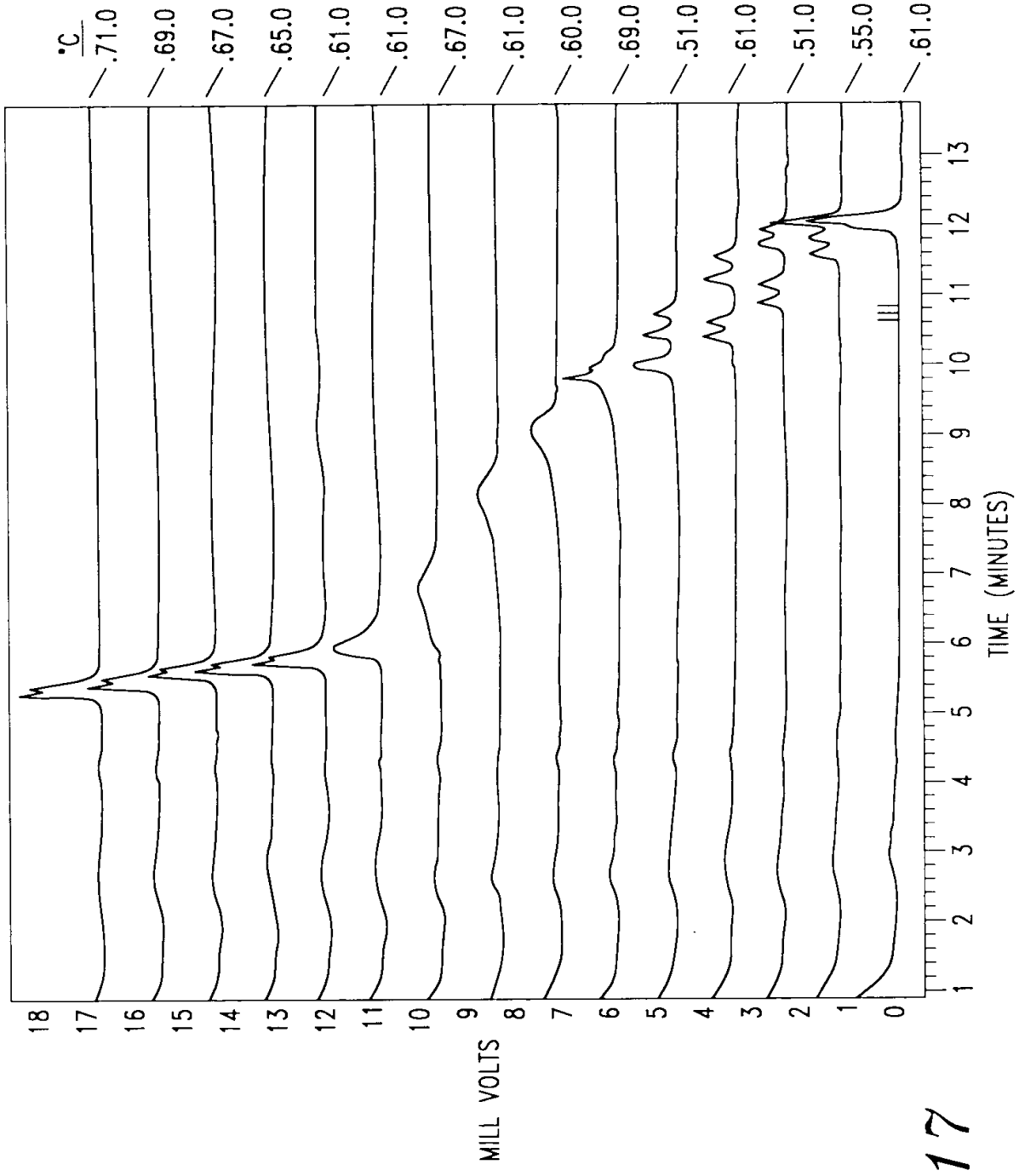
°C
.71.0
.69.0
.67.0
.65.0
.61.0
.61.0
.67.0
.61.0
.60.0
.69.0
.51.0
.61.0
.51.0
.55.0
.61.0
MILL VOLTS
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
1
2
3
4
5
6
7
8
9
10
11
12
13
TIME (MINUTES)

FIG.-17

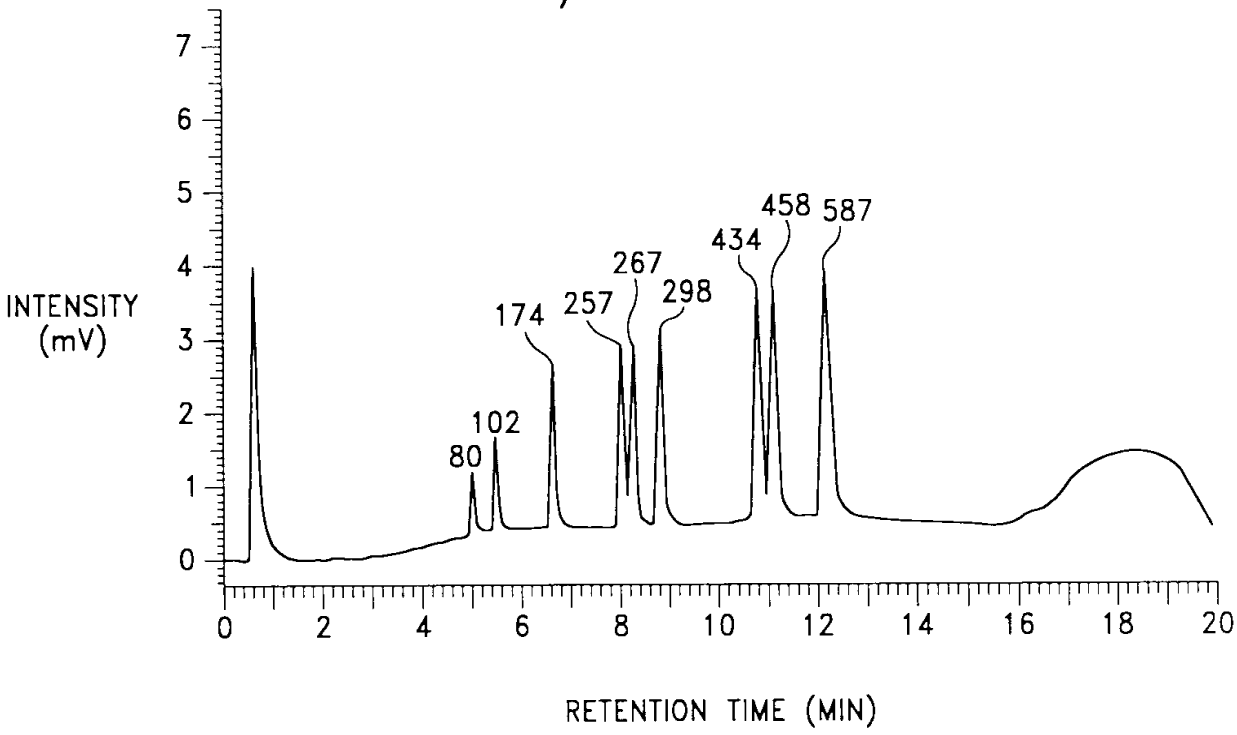
INTENSITY
(mV)
0
1
2
3
4
5
6
7
80
102
174
257
267
298
434
458
587
0
2
4
6
8
10
12
14
16
18
20
RETENTION TIME (MIN)

FIG.–19

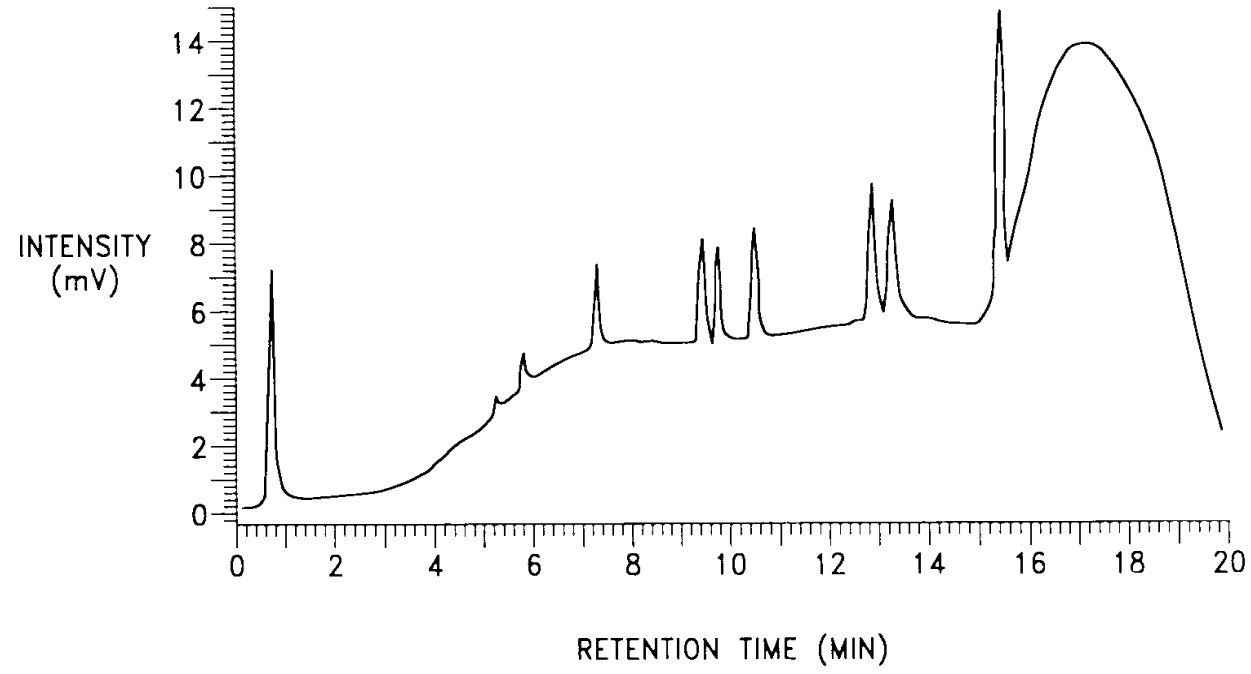
INTENSITY
(mV)
0
2
4
6
8
10
12
14
0
2
4
6
8
10
12
14
16
18
20
RETENTION TIME (MIN)

FIG.–20